

10/533 380  
AP3 Rec'd PCT/PTO 20 MAR 2005

Docket No.: 1209-0149PUS1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Leif Hermansson et al.

Application No.: 10/533,380

Confirmation No.: Not Yet Assigned

Filed: April 29, 2005

Art Unit: N/A

For: CHEMICALLY BONDED BIOMATERIAL  
WITH TAILORED PROPERTIES

Examiner: Not Yet Assigned

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Notification of Missing Requirements dated December 19, 2005,  
Applicant respectfully submits:

- ☒ Attached is a copy of the Notification of Missing Requirements (371 Formalities Letter).
- ☒ Attached is the Executed Declaration and Power of Attorney ☒ Original ☐ Photocopy.
- ☐ The specification attached to the executed Declaration and Power of Attorney is a true copy of the specification that was filed in the U.S. Patent and Trademark Office on April 29, 2005, including any amendments thereto (if applicable) filed on even date therewith.
- ☒ The undersigned hereby declares that "Attorney Docket No. 1209-0149PUS1" on page 1 of the attached Inventors' Declaration corresponds to Appl. No. 10/533,380 filed April 29, 2005 entitled "CHEMICALLY BONDED BIOMATERIAL WITH TAILORED PROPERTIES."

- ☐ Attached is an English language translation of the above-identified application that was filed in a foreign language, which should be used as the copy for examination purposes.

See the attached Translator's Verification; or

The undersigned states that the English translation attached hereto is a true and correct translation of the application as originally filed in a foreign language.

- ☐ Attached are - sheet(s) of drawings. Please substitute these replacement drawings for the corresponding - sheet(s) of drawings on file in the above-identified application.
- ☐ Attached are substitute claims commencing on a separate sheet in accordance with 37 C.F.R. § 1.75(h).
- ☐ Attached is a substitute abstract commencing on a separate sheet in accordance with 37 C.F.R. § 1.72(b).
- ☒ Attached is a substitute specification that complies with 37 C.F.R. § 1.52. The substitute specification does not contain new matter.
- ☒ Attached is a preliminary amendment. ✓
- ☐ Applicant claims small entity status under 37 C.F.R. § 1.27.
- ☐ Attached is a Supplemental Application Data Sheet (ADS).
- ☐ Submitted concurrently herewith under separate cover for recording is an Assignment.
- ☒ Attached is a Petition for Extension of Time. ✓
- ☒ The Government Filing Surcharge for late filing of oath and/or declaration in the amount of \$130.00 in accordance with 37 C.F.R. §§ 1.494 and 1.492 was previously paid for concurrently with the filing of the application on April 29, 2005. ✓

Application No.: 10/533,380

Docket No.: 1209-0149PUS1

☒ Attached hereto is the fee transmittal listing the required fees.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to our Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Dated: March 20, 2006

Respectfully submitted,

By  #32868

Gerald M. Murphy, Jr.

Registration No.: 28,977

BIRCH, STEWART, KOLASCH & BIRCH, LLP

8110 Gatehouse Road

Suite 100 East

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Falls Church, Virginia 22040-0747

(703) 205-8000

Attorney for Applicant

Attachment(s)



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/533,380	Leif Hermansson	1209-0149PUS1

INTERNATIONAL APPLICATION NO.
PCT/SE03/02090

I.A. FILING DATE	PRIORITY DATE
12/30/2003	12/31/2002

02292  
BIRCH STEWART KOLASCH & BIRCH  
PO BOX 747  
FALLS CHURCH, VA 22040-0747

*JK Kim*  
**DOCKETED**  
*Perfect 2-19-06*

CONFIRMATION NO. 9425

371 FORMALITIES LETTER



\*OC000000017679366\*

Date Mailed: 12/19/2005

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 04/29/2005
- Copy of the International Search Report filed on 04/29/2005
- Preliminary Amendments filed on 04/29/2005
- Information Disclosure Statements filed on 04/29/2005
- Copy of references cited in ISR filed on 04/29/2005
- U.S. Basic National Fees filed on 04/29/2005

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

TERRY M JOHNSON VESSELS

Telephone: (703) 308-9140 EXT 221

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/533,380	PCT/SE03/02090	1209-0149PUS1

FORM PCT/DO/EO/905 (371 Formalities Notice)

<b>Effective on 12/08/2004.</b> <b>Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</b> <h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">For FY 2005</h3>		<b>Complete if Known</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	10/533,380
		Filing Date	April 29, 2005
		First Named Inventor	Leif Hermansson
		Examiner Name	Not Yet Assigned
		Art Unit	N/A
TOTAL AMOUNT OF PAYMENT		(\$)	120.00
		Attorney Docket No.	1209-0149PUS1

<b>METHOD OF PAYMENT</b> (check all that apply)	
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____	
<input type="checkbox"/> Deposit Account            Deposit Account Number: <u>02-2448</u> Deposit Account Name: <u>Birch, Stewart, Kolasch &amp; Birch, LLP</u>	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee	
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 <input checked="" type="checkbox"/> Credit any overpayments	

<b>FEE CALCULATION</b>							
<b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>							
	<b>FILING FEES</b>		<b>SEARCH FEES</b>		<b>EXAMINATION FEES</b>		
		<u>Small Entity</u>		<u>Small Entity</u>		<u>Small Entity</u>	
<u>Application Type</u>	<u>Fee (\$)</u>	<u>Fee (\$)</u>	<u>Fee (\$)</u>	<u>Fee (\$)</u>	<u>Fee (\$)</u>	<u>Fee (\$)</u>	<u>Fees Paid (\$)</u>
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____
<b>2. EXCESS CLAIM FEES</b>							
						<u>Small Entity</u>	
						<u>Fee (\$)</u>	<u>Fee (\$)</u>
Each claim over 20 (including Reissues)						50	25
Each independent claim over 3 (including Reissues)						200	100
Multiple dependent claims						360	180
<u>Total Claims</u>		<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>		
_____		_____	_____	_____	<u>Fee (\$)</u>		<u>Fee Paid (\$)</u>
_____		_____	_____	_____	_____		_____
<u>Indep. Claims</u>		<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>			
_____		_____	_____	_____			
_____		_____	_____	_____			
<b>3. APPLICATION SIZE FEE</b>							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>			
_____	_____	_____	_____	_____			
- 100 = _____		/50	(round up to a whole number) x _____	= _____			
<b>4. OTHER FEE(S)</b>							
						<u>Fees Paid (\$)</u>	
Non-English Specification, \$130 fee (no small entity discount)						_____	_____
Other (e.g., late filing surcharge): 1251 Extension for response within first month						_____	120.00

<b>SUBMITTED BY</b>			
Signature	 # 32,868	Registration No. (Attorney/Agent)	28,977
Name (Print/Type)	Gerald M. Murphy, Jr.	Telephone	(703) 205-8000
		Date	March 20, 2006

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Leif Hermansson et al.

Application No.: 10/533,380

Confirmation No.: 9425

Filed: April 29, 2005

Art Unit: 1711

For: **CHEMICALLY BONDED BIOMATERIAL  
WITH TAILORED PROPERTIES**

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Examiner: Not Yet Assigned

**LETTER REGARDING FILING OF CORRECTED ENGLISH TRANSLATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

After the above-identified application was filed, it has come to our attention that an error occurred in translating and transcribing PCT International Application No. PCT/SE2003/002090 from Swedish into English. Accordingly, attached hereto is a corrected English translation in the form of a substituted specification that should be used for examination in the above-identified application. No new matter is introduced because the attached translation is an accurate translation of the PCT application.

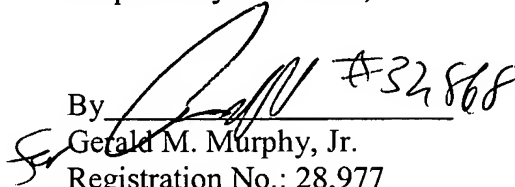
*Application No. 10/533,380*  
*Art Unit 1711*

*Docket No.: 1209-0149PUS1*

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§1.16 or 1.17; particularly, extension of time fees.

Dated: March 20, 2006

Respectfully submitted,

By   
Gerald M. Murphy, Jr.  
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